

CLAIMS

1. A radio control receiver for operating a plurality of devices each on a respective device channel, the receiver having data storage containing code unique to the receiver, a tuner arranged to scan a plurality of radio channels, and a processor for processing receiver identifying code received on a channel, with the unique code to determine whether transmissions on the channel are intended for the receiver, said tuner being responsive to an output from the processor indicating that transmissions on the channel are intended for the receiver, to lock onto that channel, and to the output from the tuner indicating that the transmissions on that channel are not intended for the receiver, to tune to another of the plurality of radio channels.

2. A receiver as claimed in claim 1, wherein the unique code is processed with received code periodically.

3. A receiver as claimed in claim 2, wherein the unique code is processed with received code each time a set of failsafe information is received.

4. A receiver as claimed in claim 2, wherein the unique code is processed with received code each time a frame of data for a set of device channels is received.

5. A receiver as claimed in any preceding claim, wherein the unique code is interrogable at a communication port.

6. A receiver as claimed in any preceding claim wherein the receiver is part of a transceiver equipped to transmit signals indicating poor reception.

7. A receiver as claimed in any preceding claim, wherein the processor is operative to compare the received code with the unique code and to give an output indicating that the transmissions on the channel are intended for the receiver when the compared code are identical, and otherwise to indicate that the transmissions on that channel are not intended for the receiver.

8. A radio control transmitter for transmitting signals to a receiver as claimed in claim 1, so as to operate a plurality of devices each on a respective device channel, the transmitter having data storage for storing codes which when processed with a corresponding unique code indicate that transmissions are intended for the receiver, an
5 input device for setting codes in the data store and for selecting codes for transmission, and a processor for transmitting control data and a selected code on the same radio channel.

9. A transmitter as claimed in claim 8, wherein the selected code is transmitted periodically.

10 10. A transmitter as claimed in claim 9, wherein the selected code is transmitted each time a set of failsafe information is transmitted.

11. A transmitter as claimed in claim 9, wherein the selected code is transmitted each time a frame of data for a set of device channels is transmitted.

12. A transmitter as claimed in any of claims 8 to 11, wherein input device
15 includes means for interrogating a communication port of the receiver.

13. A transmitter as claimed in any of claims 8 to 12, which is part of a transceiver equipped to receive signals indicating poor reception from the receiver and to change channels in response to receipt of such signals.

14. A transmitter as claimed in any of claims 8 to 12, which is part of a
20 transceiver equipped to receive signals on the channel in use by the transmitter, the transceiver being arranged to cease transmission periodically and then to change the channel in the event that significant interference is received on the channel in use.

A transmitter as claimed in any of claims 8 to 13, wherein the stored code is identical to the unique code.